

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

I HEREBY DECLARE THAT:

My residence, mailing address, and citizenship are stated next to my name in PART A hereof.

I believe I am the original, first, and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled

**METHODS FOR FORMING SMALL-SCALE CAPACITOR STRUCTURES**

the specification of which:

- is attached hereto.
- was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 CFR §1.56, including, for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim priority benefits under 35 USC §119(a)-(d) or (f), §172, or §365(a)-(b) of any foreign or international application(s) for patent or inventor's certificate listed in PART B hereof and have also identified in PART B hereof any such foreign or international application having a filing date before that of the application of which priority is claimed.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. I understand that the execution of this document does not in itself establish an attorney-client relationship between the undersigned and Perkins Coie, LLP, or any of its attorneys.

## INVENTORSHIP DECLARATION BY JOINT INVENTORS

### PART A: INVENTOR INFORMATION AND SIGNATURE

Full name of FIRST inventor: Lingyi A. Zheng

Citizenship: USA Mailing Address: 2535 E. Red Cedar Lane, #202  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: Lingyi Zheng Date: 11/18/2003

Full name of SECOND inventor: Trung T. Doan

Citizenship: USA Mailing Address: 1106 Teakwood Trail  
Pflugerville, Texas 78660-2854

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of THIRD inventor: Lyle D. Breiner

Citizenship: USA Mailing Address: 3050 Val Vista Court  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: Lyle D. Breiner Date: 11/18/03

Full name of FOURTH inventor: Er-Xuan Ping

Citizenship: USA Mailing Address: 2239 E. Chateau Dr.  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: Er-Xuan Ping Date: 11/18/2003

Full name of FIFTH inventor: Kevin L. Beaman

Citizenship: USA Mailing Address: 4402 Redhawk Ave.  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: Kevin L Beaman Date: 11-18-03

Full name of SIXTH inventor: Ronald A. Weimer

Citizenship: USA Mailing Address: 1696 E. Victory Rd.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: Ronald A. Weimer Date: 11-24-03

Full name of SEVENTH inventor: Cem Basceri

Citizenship: Turkey Mailing Address: 314 E. Iowa Dr.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: Cem Basceri Date: 11-18-03

Full name of EIGHTH inventor: David J. Kubista

Citizenship: USA Mailing Address: 13389 Skyview St.  
Nampa, Idaho 83686

Residence (if different): \_\_\_\_\_

Inventor's Signature: David J. Kubista Date: 11/18/03

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

**PART B: CLAIM TO PRIORITY OF FOREIGN APPLICATION(S)  
UNDER 35 U.S.C. §119(a)-(d) or (f) §172, or §365(a)-(b)**

Country	App. No.	Filing Date	Priority Not Claimed
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

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**PART A: INVENTOR INFORMATION AND SIGNATURE**

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Citizenship: USA Mailing Address: 2535 E. Red Cedar Lane, #202  
Boise, Idaho 83716

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Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SECOND inventor: Trung T. Doan

Citizenship: USA Mailing Address: 1106 Teakwood Trail  
Pflugerville, Texas 78660-2854

Residence (if different): \_\_\_\_\_

Inventor's Signature:  Date: \_\_\_\_\_

Full name of THIRD inventor: Lyle D. Breiner

Citizenship: USA Mailing Address: 3050 Val Vista Court  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of FOURTH inventor: Er-Xuan Ping

Citizenship: USA Mailing Address: 2239 E. Chateau Dr.  
Meridian, Idaho 83642

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of FIFTH inventor: Kevin L. Beaman

Citizenship: USA Mailing Address: 4402 Redhawk Ave.  
Boise, Idaho 83716

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SIXTH inventor: Ronald A. Weimer

Citizenship: USA Mailing Address: 1696 E. Victory Rd.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of SEVENTH inventor: Cem Basceri

Citizenship: Turkey Mailing Address: 314 E. Iowa Dr.  
Boise, Idaho 83706

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of EIGHTH inventor: David J. Kubista

Citizenship: USA Mailing Address: 13389 Skyview St.  
Nampa, Idaho 83686

Residence (if different): \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**INVENTORSHIP DECLARATION BY JOINT INVENTORS**

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UNDER 35 U.S.C. §119(a)-(d) or (f) §172, or §365(a)-(b)**

Country	App. No.	Filing Date	Priority Not Claimed
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: **LINGYI A. ZHENG ET AL.**  
FILED: **CONCURRENTLY HEREWITH**  
FOR: **METHODS FOR FORMING SMALL-  
SCALE CAPACITOR STRUCTURES**

**Power of Attorney by Assignee and Certification**  
**Under 37 C.F.R. § 3.73(b)**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

I, the undersigned, acting on behalf of the Assignee of the entire right, title and interest in the above-identified patent application, by virtue of an Assignment filed concurrently herewith, appoint the attorneys and agents listed below to prosecute this application and transact all business with the U.S. Patent and Trademark Office in connection therewith. This appointment is to the exclusion of the inventor(s) and their attorney(s) and agent(s) in accordance with the provisions of 37 C.F.R. § 3.71.

All prior powers of attorney for this application are hereby revoked. The Assignee hereby appoints

STEPHEN E. ARNETT, Registration No. 47,392  
RODGER K. CARREYN, Registration No. 50,774  
BRIAN R. COLEMAN, Registration No. 39,145  
CHRISTOPHER DALEY-WATSON, Registration No. 34,807  
PETER J. DEHLINGER, Registration No. 28,006  
DAVID BOGART DORT, Registration No. 50,213  
DAVID T. DUTCHER, Registration No. 51,638  
LEEANN GORTHEY, Registration No. 37,337  
JOSEPH HAMILTON, Registration No. 51,770  
PAUL L. HICKMAN, Registration No. 28,516  
EDWARD S. HOTCHKISS, Registration No. 33,904  
STEVEN KELLEY, Registration No. 43,449

JONATHAN P. KUDLA, Registration No. 47,724  
STEVEN D. LAWRENZ, Registration No. 37,376  
JACQUELINE F. MAHONEY, Registration No. 48,390  
SHAILESH MEHRA, Registration No. 44,934  
JUDY M. MOHR, Registration No. 38,563  
CHUN M. NG, Registration No. 36,878  
NGUYEN H. NGUYEN, Registration No. 43,834  
REBEKKA C. NOLL, Registration No. 46,962  
KENNETH H. OHRINER, Registration No. 31,646  
PAUL T. PARKER, Registration No. 38,264  
MAURICE J. PIRIO, Registration No. 33,273  
AARON J. POLEDNA, Registration No. 54,675  
TIM R. SEELEY, Registration No. 53,575  
LAUREN SLIGER, Registration No. 51,086  
LARRY W. THROWER, Registration No. 47,994  
GLENN E. VON TERSCH, Registration No. 41,364  
JOHN M. WECHKIN, Registration No. 42,216  
JAMES A.D. WHITE, Registration No. 43,985  
MICHAEL J. WISE, Registration No. 34,047  
ROBERT G. WOOLSTON, Registration No. 37,263  
JAMES J. ZHU, Registration No. 52,396  
all affiliated with Perkins Coie LLP; and  
  
MICHAEL L. LYNCH, Reg. No. 30,871  
CHARLES B. BRANTLEY, II, Reg. No. 38,086  
RUSS SLIFER, Reg. No. 39,838  
all affiliated with Micron Technology, Inc.

Direct all telephone calls to Edward S. Hotchkiss at (206) 359-3848. Address all correspondence to:

Customer No. 25096  
Perkins Coie LLP  
P.O. Box 1247  
Seattle, Washington 98111-1247  
(206) 359-8000

In accordance with 37 C.F.R. § 3.73(b), I hereby certify that I am empowered to act on behalf of the Assignee. To the best of my knowledge and belief, title is in the Assignee, as evidenced by the Assignment noted above.

I further declare that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both,

under Title 18, USC § 1001 and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

ASSIGNEE: MICRON TECHNOLOGY, INC.

Signature: 

Typed Name: Michael L. Lynch

Title: Chief Patent Counsel

Date: 11-25-2007

Address: 8000 South Federal Way

P.O. Box 6

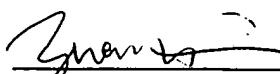
Boise, Idaho 83706-9632

ASSIGNMENT**COPY**

THIS ASSIGNMENT is by Lingyi A. Zheng, Trung T. Doan, Lyle D. Breiner, Er-Xuan Ping, Kevin L. Beaman, Ronald A. Weimer, Cem Basceri, and David J. Kubista (the "Assignors"), residing at 2535 E. Red Cedar Lane, #202, Boise, Idaho 83716; 1106 Teakwood Trail, Pflugerville, Texas 78660-2854; 3050 Val Vista Court, Meridian, Idaho 83642; 2239 E. Chateau Drive, Meridian, Idaho 83642; 4402 Redhawk Avenue, Boise, Idaho 83716; 1696 E. Victory Road, Boise, Idaho 83706; 314 E. Iowa Drive, Boise, Idaho 83706; and 13389 Skyview Street, Nampa Idaho 83686, respectively. We Assignors have invented certain inventions described in a United States Patent Application entitled METHODS FOR FORMING SMALL-SCALE CAPACITOR STRUCTURES (the "Application") and  executed concurrently herewith; or  filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ (the "Inventions"). We Assignors authorize the Assignee, identified below, or its representatives to insert the filing date and application number of the Application when known.

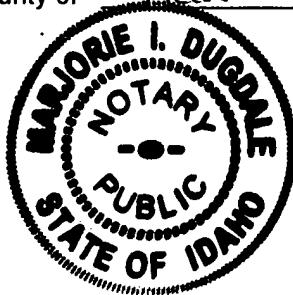
Micron Technology, Inc., a corporation of the State of Delaware having a place of business at 8000 South Federal Way, P.O. Box 6, Boise, Idaho 83706-9632 ("Assignee"), desires to acquire the entire right, title and interest in and to the Inventions and the Application, and in and to any patents (collectively, "Patents") that may be granted for the Inventions in the United States or in any foreign countries.

For valuable consideration, the receipt and sufficiency of which we acknowledge, Assignors hereby sell, assign, and transfer to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to: the Inventions, the Application, and any Patents; any divisions, continuations, and continuations-in-part of the Application; any reissues, reexaminations, or extensions of any and all Patents; the right to file foreign applications directly in the name of Assignee; and the right to claim priority rights deriving from the Application (collectively, the "Rights"). Assignors warrant that they are joint owners of the Rights, and that the Rights are unencumbered. Assignors also agree to not sign any writing or do any act conflicting with this assignment, and, without further compensation, sign all documents and do such additional acts as Assignee deems necessary or desirable to: perfect Assignee's enjoyment of the Rights; prepare and prosecute the Application or any other applications for Patents; conduct proceedings regarding the Rights, including any litigation or interference proceedings; or perfect or defend title to the Rights. Assignors request the Commissioner of Patents to issue any Patent of the United States that may be issued on the Inventions to Assignee. This Assignment may be executed in counterparts.

Date: 11/18/2003
  
Lingyi A. Zheng

I certify that I know or have satisfactory evidence that Lingyi A. Zheng is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of Ada) ss.



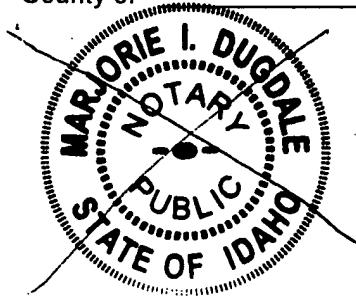
Dated November 18, 2003  
 Signature of  
 Notary Public Marjorie I. Dugdale  
 Printed Name MARJORIE I. DUGDALE  
 My appointment expires 11/12/2009

Date: \_\_\_\_\_

Trung T. Doan

I certify that I know or have satisfactory evidence that Trung T. Doan is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of \_\_\_\_\_) ss.

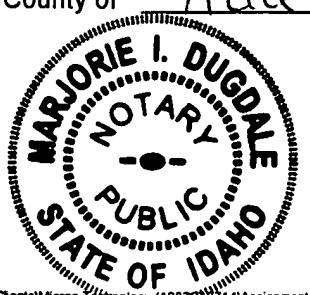


Dated \_\_\_\_\_  
 Signature of \_\_\_\_\_  
 Notary Public \_\_\_\_\_  
 Printed Name \_\_\_\_\_  
 My appointment expires \_\_\_\_\_

Date: 11/18/2003
  
Lyle D. Breiner

I certify that I know or have satisfactory evidence that Lyle D. Breiner is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of Ada) ss.



Dated November 18, 2003  
 Signature of  
 Notary Public Marjorie I. Dugdale  
 Printed Name MARJORIE I. DUGDALE  
 My appointment expires 11/12/2009

Date: \_\_\_\_\_

Lingyi A. Zheng

I certify that I know or have satisfactory evidence that Lingyi A. Zheng is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of \_\_\_\_\_  
County of \_\_\_\_\_)ss.

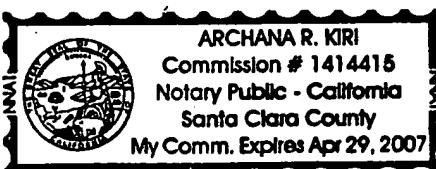
Dated \_\_\_\_\_  
Signature of \_\_\_\_\_  
Notary Public \_\_\_\_\_  
Printed Name \_\_\_\_\_  
My appointment expires \_\_\_\_\_

Date: 1/26/04  
Trung T. Doan

I certify that I know or have satisfactory evidence that Trung T. Doan is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of California)  
County of Santa Clara)ss.

Dated 1/26/04  
Signature of \_\_\_\_\_  
Notary Public Archana R. Kiri  
Printed Name ARCHANA R. KIRI  
My appointment expires Apr. 29, 2007



Date: \_\_\_\_\_

Lyle D. Breiner

I certify that I know or have satisfactory evidence that Lyle D. Breiner is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of \_\_\_\_\_  
County of \_\_\_\_\_)ss.

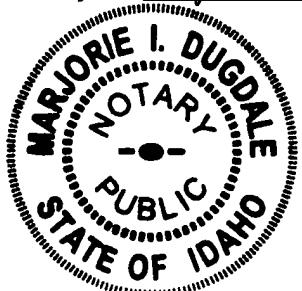
Dated \_\_\_\_\_  
Signature of \_\_\_\_\_  
Notary Public \_\_\_\_\_  
Printed Name \_\_\_\_\_  
My appointment expires \_\_\_\_\_

Date: 11/18/2003


Er-Xuan Ping

I certify that I know or have satisfactory evidence that Er-Xuan Ping is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of Ada) ss.



Dated November 18, 2003  
 Signature of Notary Public Marjorie I. Dugdale  
 Printed Name MARJORIE I. DUGDALE  
 My appointment expires 11/12/2009

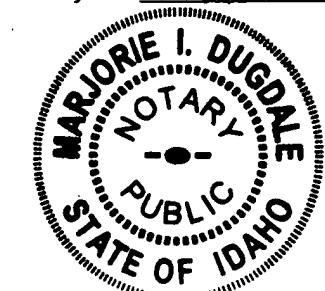
Date: 11-18-03


Kevin L. Beaman

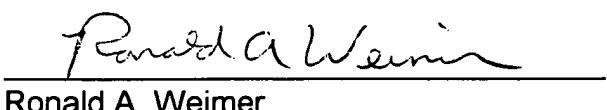
Kevin L. Beaman

I certify that I know or have satisfactory evidence that Kevin L. Beaman is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of Ada) ss.



Dated November 18, 2003  
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 Printed Name MARJORIE I. DUGDALE  
 My appointment expires 11/12/2009

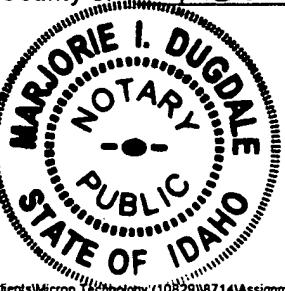
Date: 10-24-03


Ronald A. Weimer

Ronald A. Weimer

I certify that I know or have satisfactory evidence that Ronald A. Weimer is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

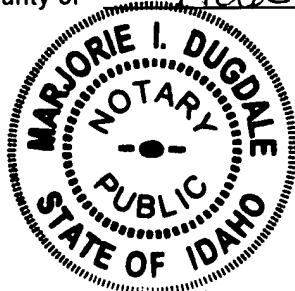
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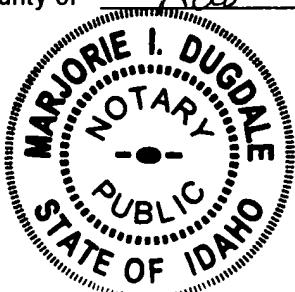
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 Printed Name MARJORIE I. DUGDALE  
 My appointment expires 11/12/2009

Date: 11-18-03Cem Basceri  
Cem Basceri

I certify that I know or have satisfactory evidence that Cem Basceri is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

State of Idaho)  
County of Ada) ss.Dated November 18, 2003  
Signature of Notary Public Marjorie I. Dugdale  
Printed Name MARJORIE I. DUGDALE  
My appointment expires 11/12/2009Date: 11/18/03David J. Kubista  
David J. Kubista

I certify that I know or have satisfactory evidence that David J. Kubista is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

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County of Ada) ss.Dated November 18, 2003  
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Printed Name MARJORIE I. DUGDALE  
My appointment expires 11/12/2009